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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 7

## **Complete if Known**

Application Number	09/905,718
Filing Date	05/16/2001
First Named Inventor	Willson et al.
Group Art Unit	1762
Examiner Name	Pianalto, Bernard D.
Attorney Docket Number	PA27-02Q12

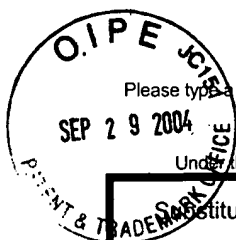
## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	B1	4,070,116		Frosch et al.	01-24-1978	
	B2	4,600,309		Fay	07-15-1986	
	B3	4,848,911		Uchida et al.	07-18-1989	
	B4	5,074,667		Miyatake	12-24-1991	
	B5	5,148,036		Matsugu et al.	09-15-1992	
	B6	5,148,037		Suda et al.	09-15-1992	
	B7	5,151,754		Ishibashi et al.	09-29-1992	
	B8	5,179,863		Uchida et al.	01-19-1993	
	B9	5,376,810		Hoenk et al.	12-27-1994	
	B10	5,424,549		Feldman	06-13-1995	
	B11	5,670,415		Rust	09-23-1997	
	B12	5,743,998		Park	04-28-1998	
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	B14	5,948,219		Rohner	09-07-1999	
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	B16	6,150,680		Eastman et al.	11-21-2000	
	B17	6,326,627	B1	Putvinski et al.	12-04-2001	
	B18	2002/0132482	A1	Chou	09-19-2002	
	B19	2002/0167117	A1	Chou	11-14-2002	
	B20	6,482,742	B1	Chou	11-19-2002	
	B21	6,534,418	B1	Plat et al.	03-18-2003	
	B22	6,541,360	B1	Plat et al.	04-01-2003	
	B23	2003/0081193	A1	White et al.	05-01-2003	
	B24	2003/0080471	A1	Chou	05-01-2003	
	B25	2004/0036201	A1	Chou et al.	02-26-2004	
	B26	5,468,542		Crouch	11-21-1995	
	B27	5,366,851		Novembre	11-22-1994	
	B28	5,362,606		Hartney et al.	11-08-1994	
	B29	5,324,683		Fitch et al.	06-28-1994	
	B30	5,212,147		Sheats	05-18-1993	
	B31	5,458,520		DeMercurio et al.	10-17-1995	
	B32	5,453,157		Jeng	09-26-1995	
	B33	5,439,766		Day et al.	08-08-1995	
	B34	5,431,777		Austin et al.	07-11-1995	
Examiner Signature					Date Considered	

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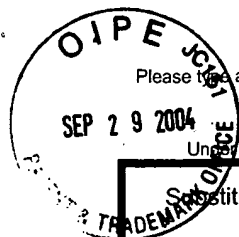
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Sheet 2 of 7				<b>Filing Date</b>	05/16/2001
				<b>First Named Inventor</b>	Willson et al.
				<b>Group Art Unit</b>	1762
				<b>Examiner Name</b>	Pianalto, Bernard D.
				<b>Attorney Docket Number</b>	PA27-02Q12

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	B35	5,422,295		Choi et al.	06-06-1995	
	B36	5,421,981		Leader et al.	06-06-1995	
	B37	5,417,802		Obeng	05-23-1995	
	B38	5,380,474		Rye et al.	01-10-1995	
	B39	5,374,454		Bickford et al.	12-20-1994	
	B40	5,330,881		Sidman et al.	07-19-1994	
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	B67	4,976,818		Hashimoto et al.	12-11-1990	
	B68	4,980,316		Huebner	12-25-1990	
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				<b>Application Number</b>	09/905,718
Sheet 3 of 7				<b>Filing Date</b>	05/16/2001
				<b>First Named Inventor</b>	Willson et al.
				<b>Group Art Unit</b>	1762
				<b>Examiner Name</b>	Pianalto, Bernard D.
				<b>Attorney Docket Number</b>	PA27-02Q12

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	B69	4,999,280		Hiraoka	03-12-1991	
	B70	5,071,694		Uekita et al.	12-10-1991	
	B71	5,169,494		Hashimoto et al.	12-08-1992	
	B72	5,173,393		Sezi et al.	12-22-1992	
	B73	5,198,326		Hashimoto et al.	03-30-1993	
	B74	5,234,793		Sebald et al.	08-10-1993	
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	B77	5,654,238		Cronin et al.	08-05-1997	
	B78	5,700,626		Lee et al.	12-23-1997	
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	B90	6,383,928	B1	Eissa	05-07-2002	
	B91	6,387,783	B1	Furukawa et al.	05-14-2002	
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	B93	6,391,798	B1	DeFelice et al.	05-21-2002	
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	B97	6,561,706	B2	Singh et al.	05-13-2003	
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	B100	2003/0129542	A1	Shih et al.	07-10-2003	
	B101	6,632,742	B2	Yang et al.	10-14-2003	
	B102	6,635,581	B2	Wong	10-21-2003	
Examiner Signature				Date Considered		

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

7

**Complete if Known**

<b>Application Number</b>	09/905,718
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<b>Filing Date</b>	05/16/2001
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<b>First Named Inventor</b>	Willson et al.
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Group Art Unit	1762
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Examiner Name	Pianalto, Bernard D.
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Attorney Docket Number	PA27-02Q12
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**U.S. PATENT DOCUMENTS**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6 of 7

### Complete if Known

Application Number	09/905,718
Filing Date	05/16/2001
First Named Inventor	Willson et al.
Group Art Unit	1762
Examiner Name	Pianalto, Bernard D.
Attorney Docket Number	PA27-02Q12

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

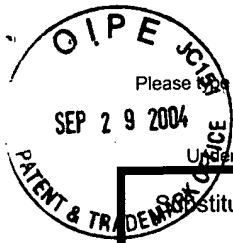
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	B122	Abstract of Japanese Patent 63-138730	
	B123	Abstract of Japanese Patent 55-88332	
	B124	Abstract of Japanese Patent 57-7931	
	B125	Abstract of Japanese Patent 02-92603.	
	B126	Translation of Japanese Patent 02-92603.	
	B127	Abstract of Japanese Patent 02-24848.	
	B128	Translation of Japanese Patent 02-24848.	
	B129	HEIDARI et al., "Nanoimprint Lithography at the 6 in. Wafer Scale," Journal of Vacuum Science Technology, Nov/Dec 2000, pp. 3557-3560, vol. B, no. 18(6)/	
	B130	NERAC.COM Retro Search, "Reduction of Dimension of Contact Holes", August 31, 2004	
	B131	NERAC.COM Retro Search, "Trim Etching of Features Formed on an Organic Layer", September 2, 2004	
	B132	NERAC.COM Retro Search, "Multi-Layer Resists", September 2, 2004	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	B133	HU et al., "Flourescence Probe Techniques (FPT) for Measuring the Relative Efficiencies of Free-Radical Photoinitiators", s0024-9297(97)01390-9;"Macromolecules" 1998, vol. 31, no.13 , pp. 4107-4113, 1998 American Chemical Society. Published on Web 05/29/1998	
	B134	FEYNMAN, Richard P., "There's Plenty of Room at the Bottom—An Invitation to Enter a New Field of Physics," 12 pp [online]Retreived 9/23/04 from URI: <a href="http://www.zyvex.com/nanotech/feynman.html">http://www.zyvex.com/nanotech/feynman.html</a> .	
	B135	Communication Relating to the Results of the Partial International Search; International Appl. No. PCT/US2002/015551.	

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